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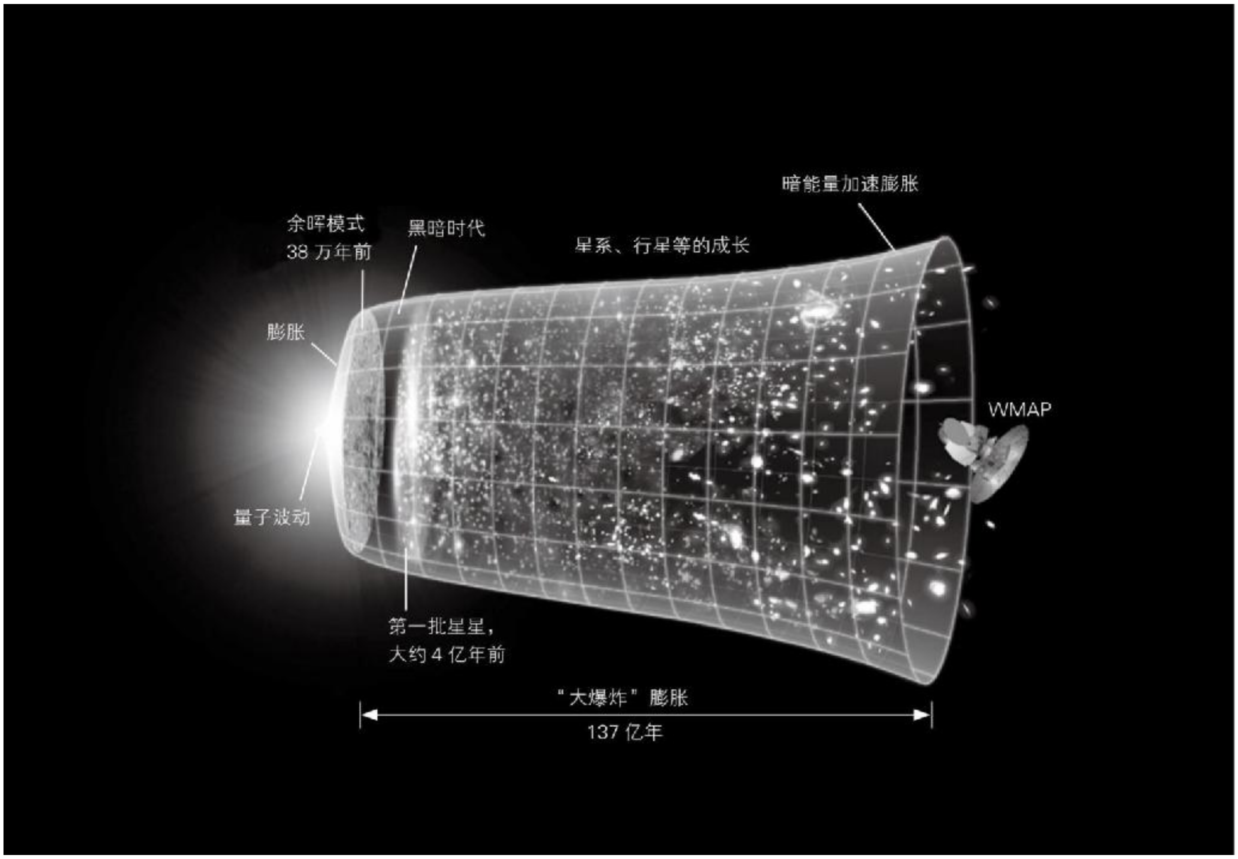


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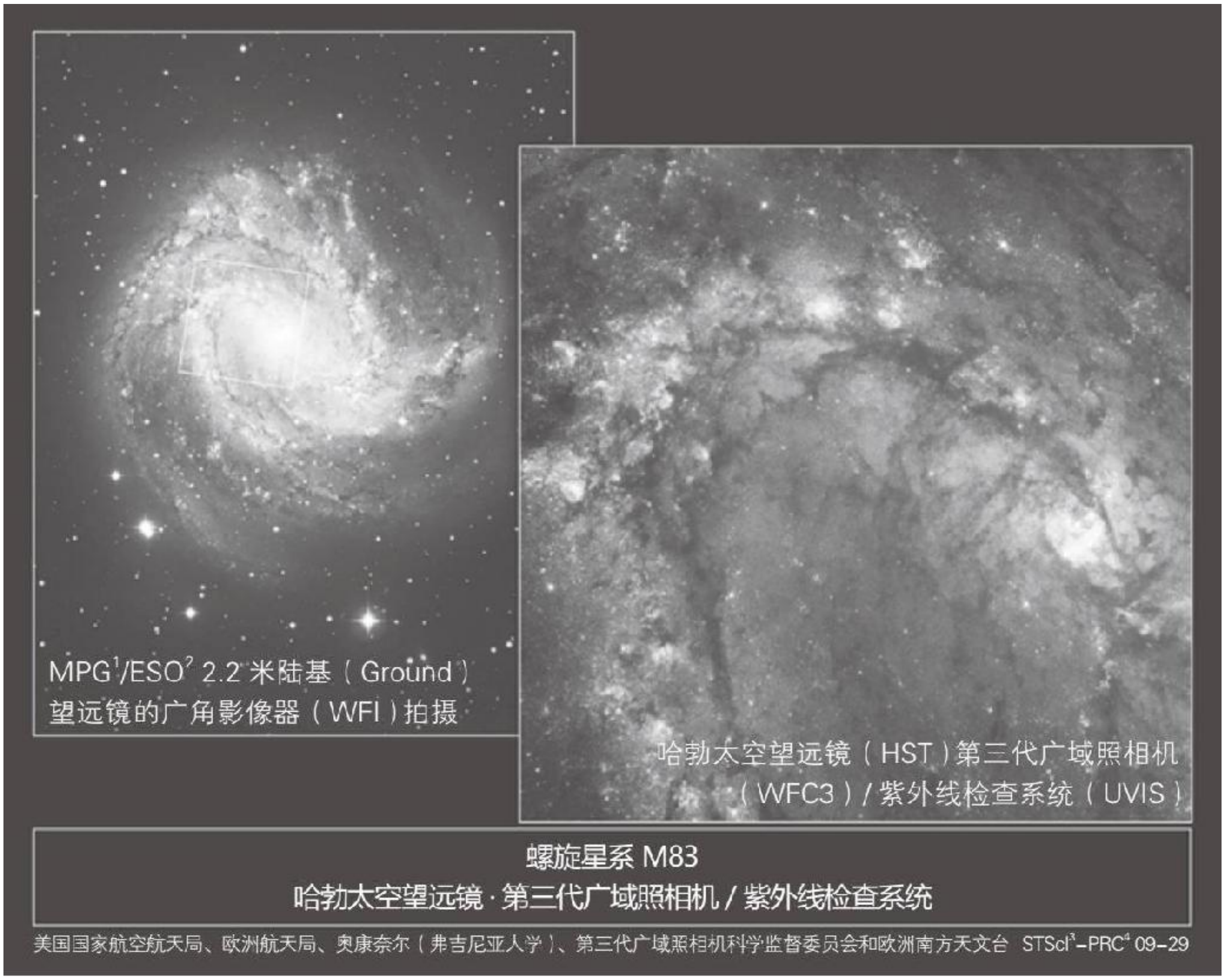
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2 ESO[illegible]European Southern Observatory[illegible]——[illegible]

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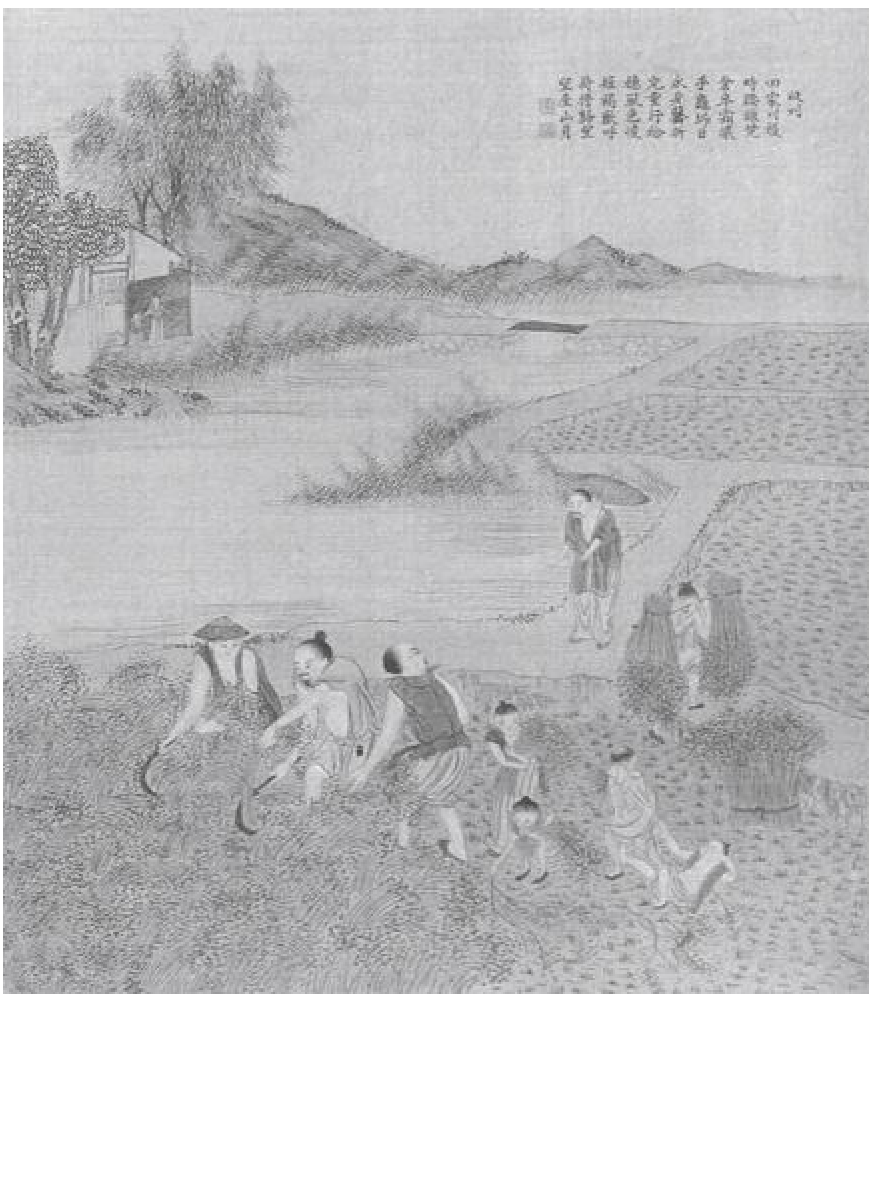
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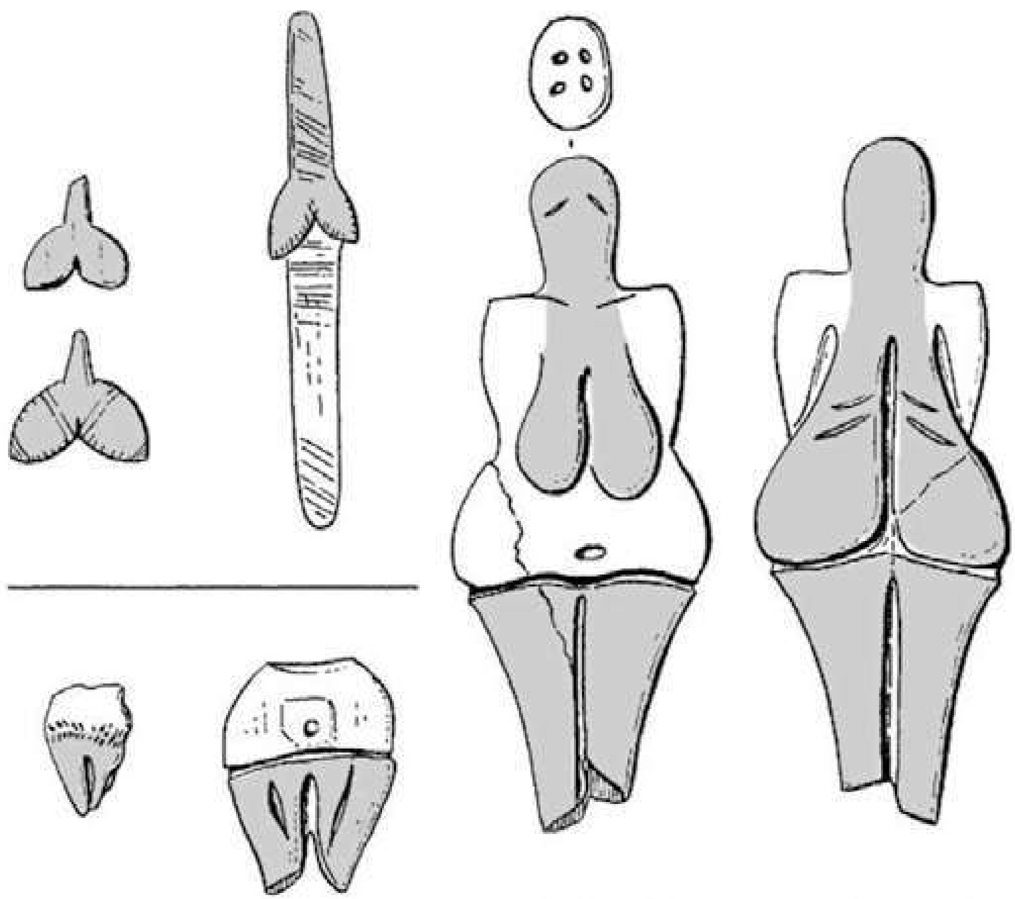
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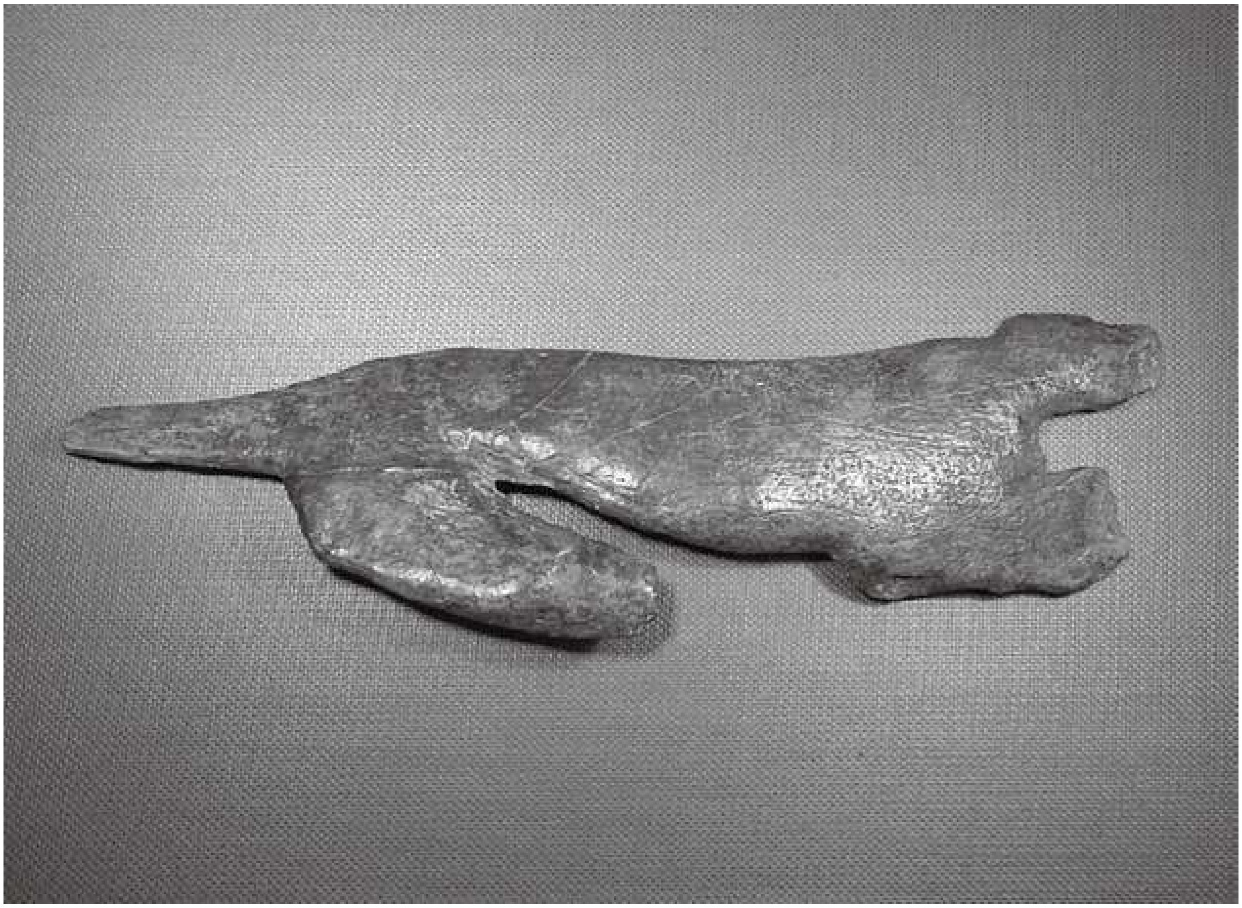
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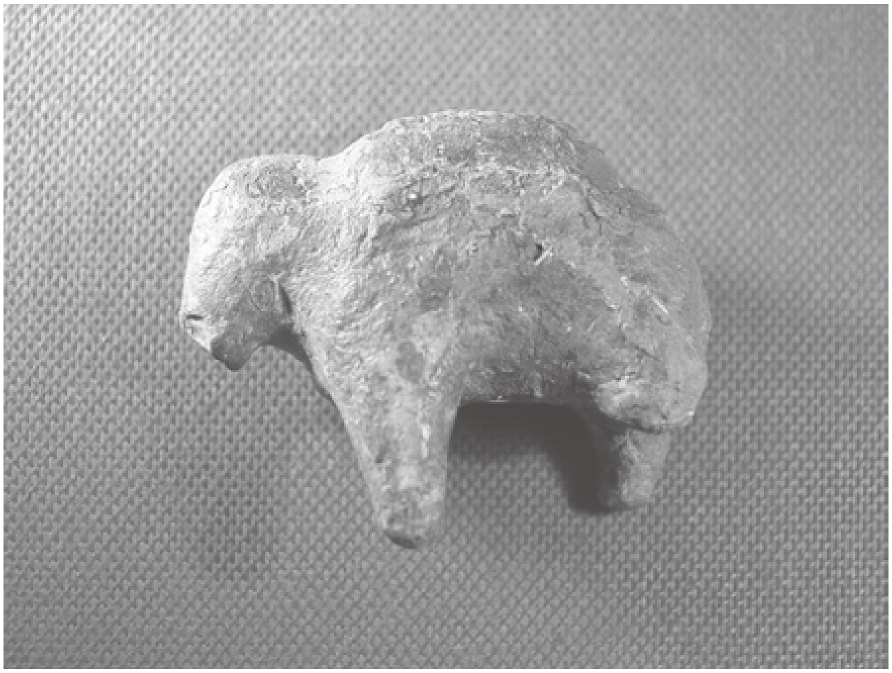
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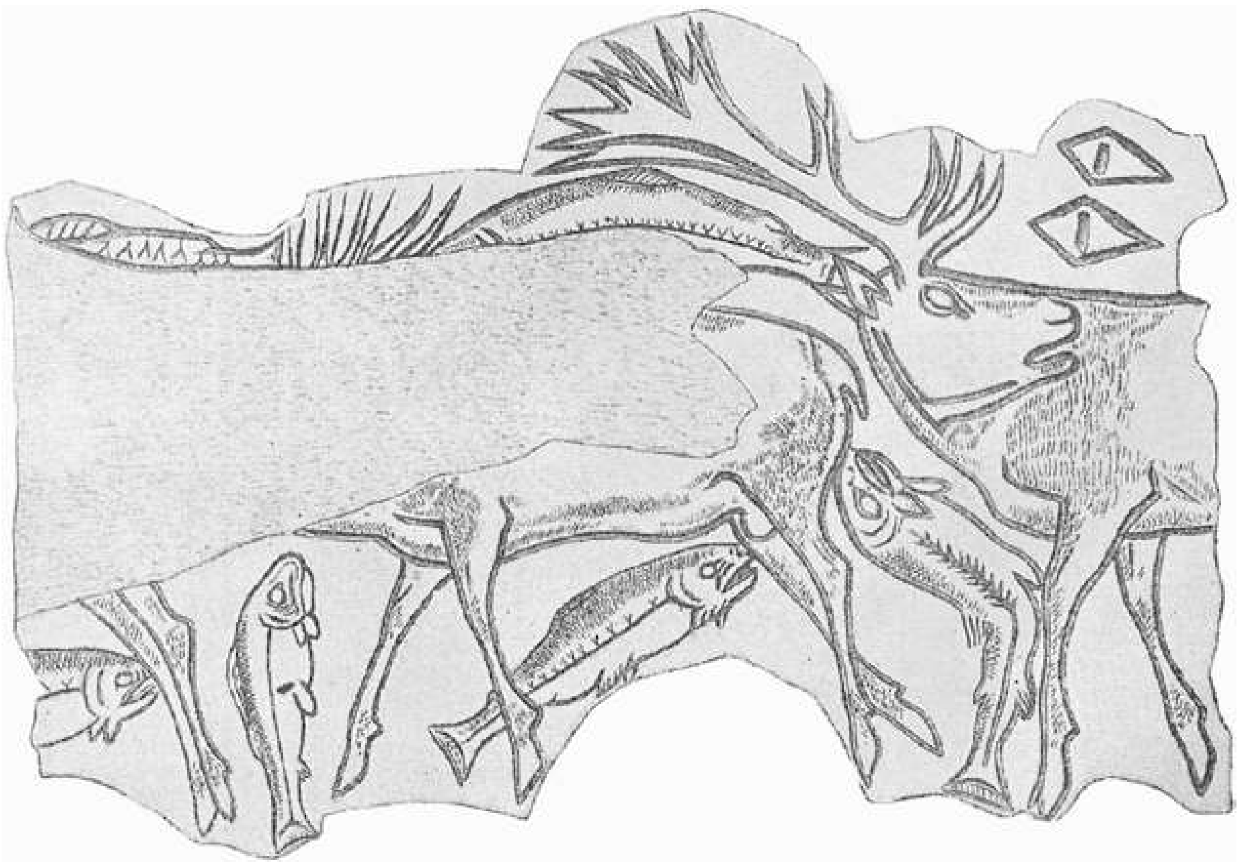
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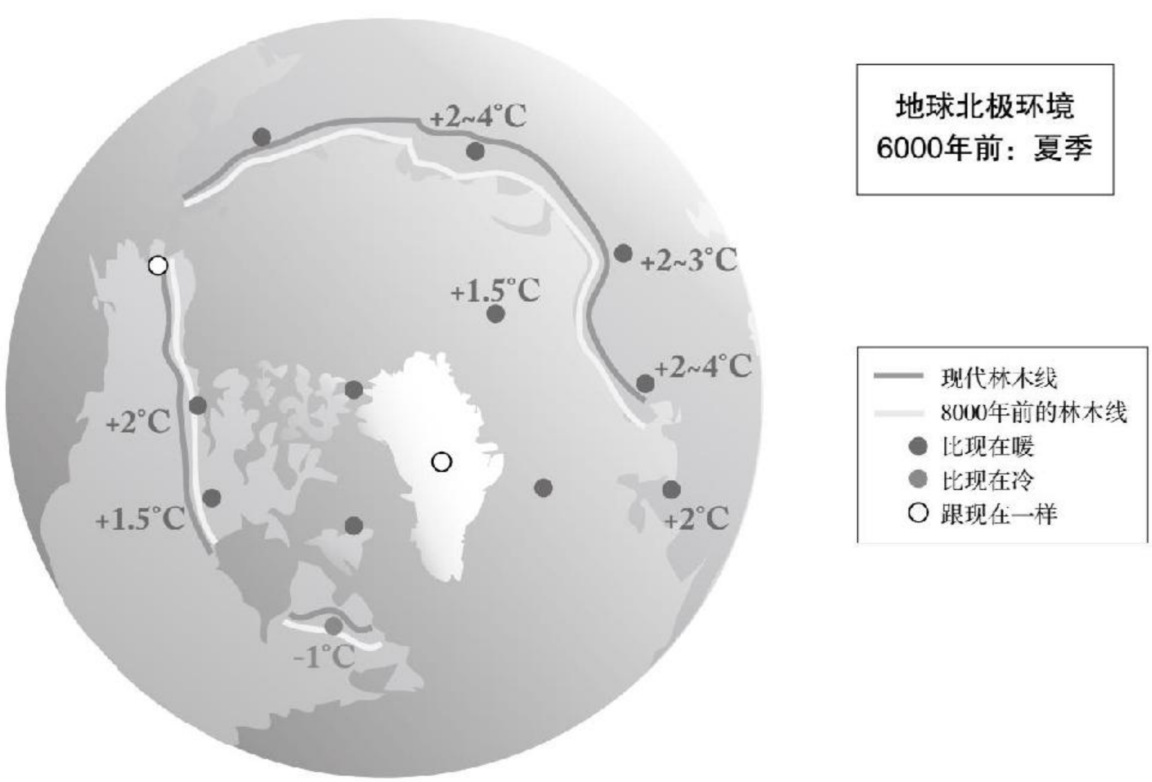
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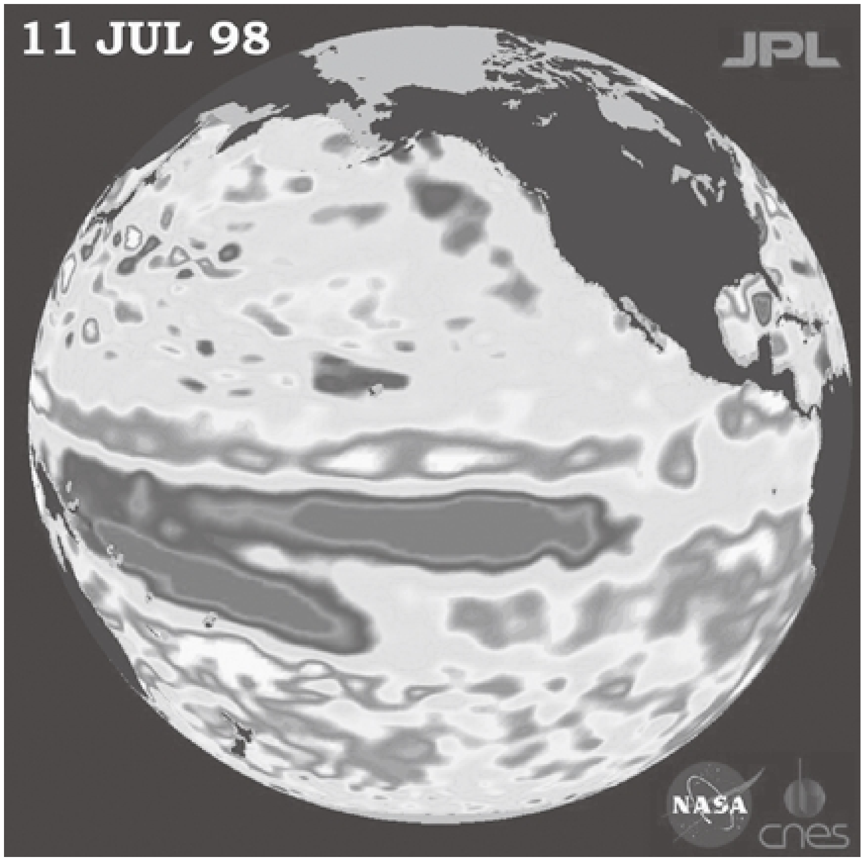
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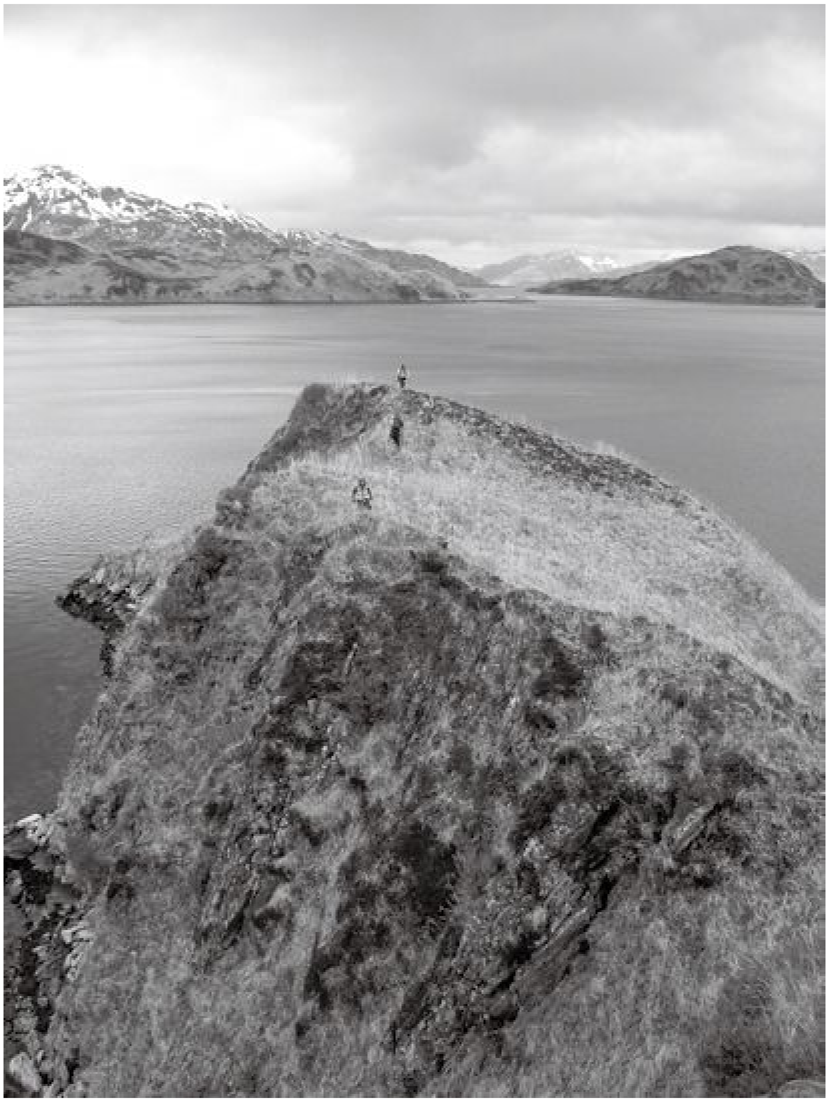
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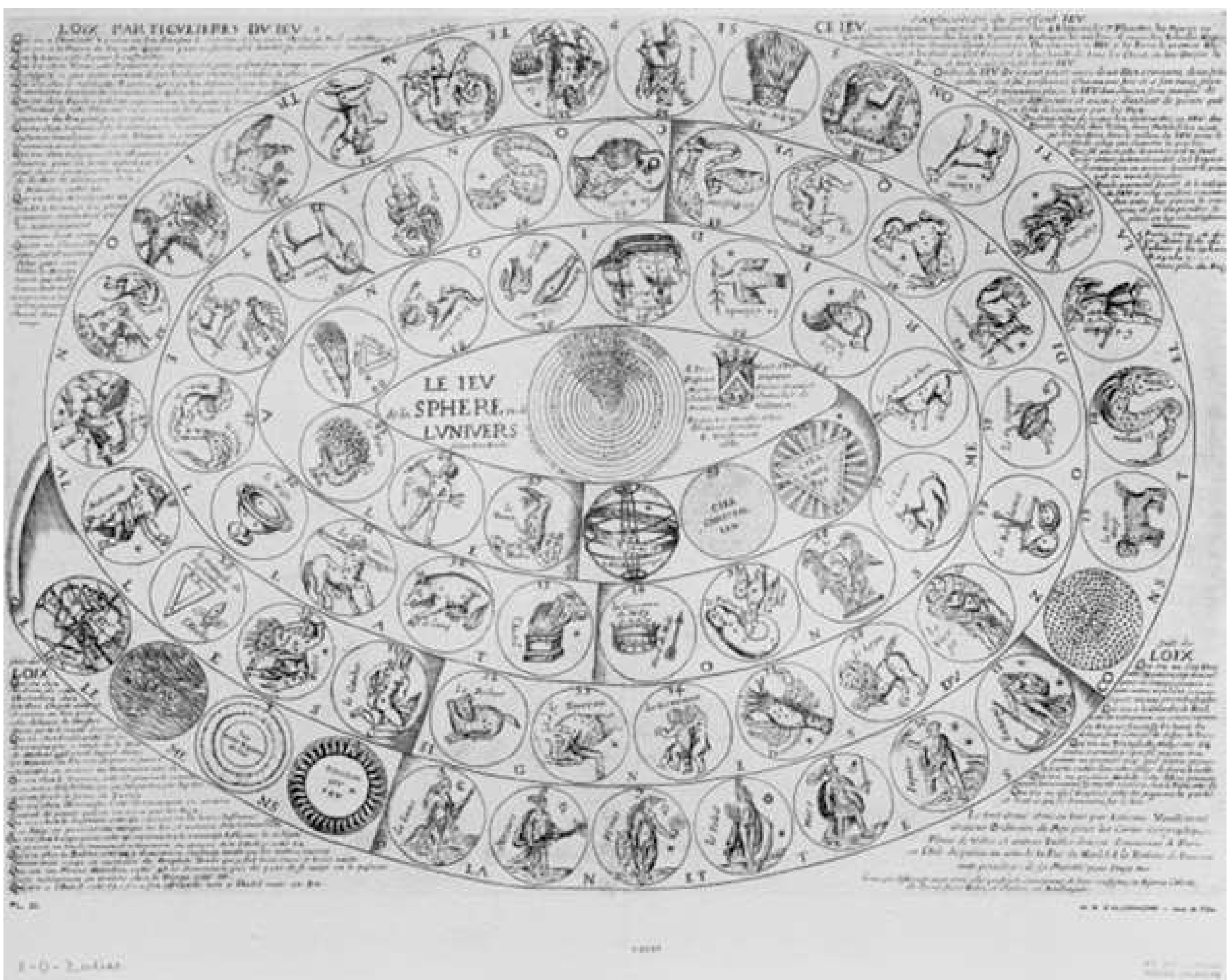
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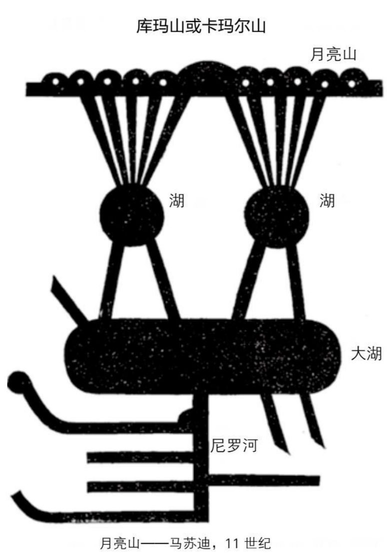
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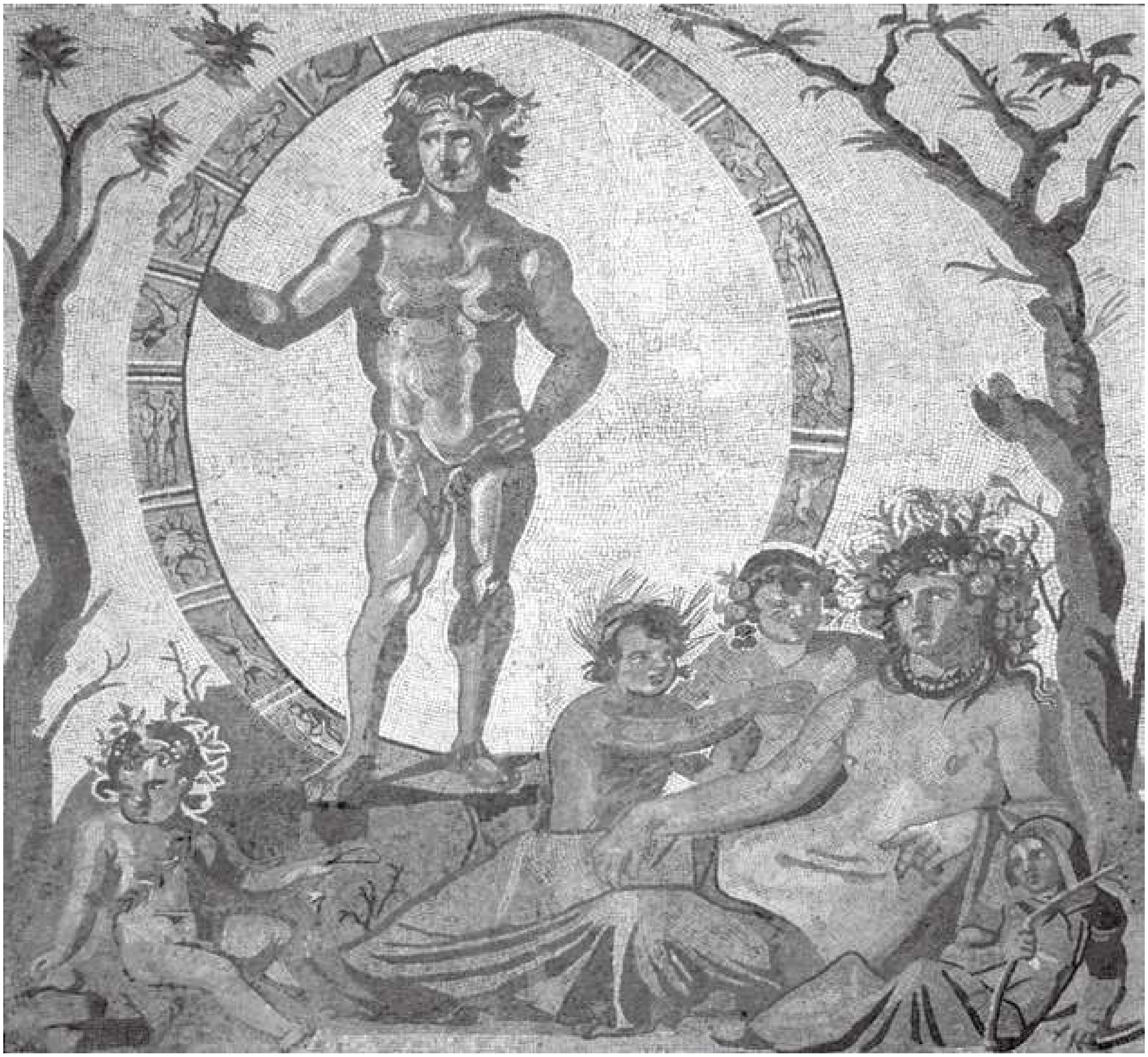
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有一棵梅開兩度的花，未老尋春喜相遇於樹下，觀紅把剎恩騎在白蝙蝠在篾籃裡，來到知勞
神的天國裡，觀紅把剎恩隱藏神的廚堂內九層十層裡，知勞天神親上磨快刀，晚上磨快
刀，觀紅褒白小姐說，父親您為什麼要磨刀呢，她的父親說，每天晚上，蝙蝠迷收歸的
羊兒，每朝上數走向內汪汪的吠着，好像有俗人隱藏在這裡，我磨着刀想殺凡人俗子
呢，觀紅褒白說，父親您不要磨刀啦，喚鬱翁之石不熱而蜂不會散，巢箱熱蜂會散了，父親
不嚴懂不會逃，父親嚴懂逃了，高山崩隤大水沸騰，竟誰為之，請您原諒，現在天雨的時使她引水

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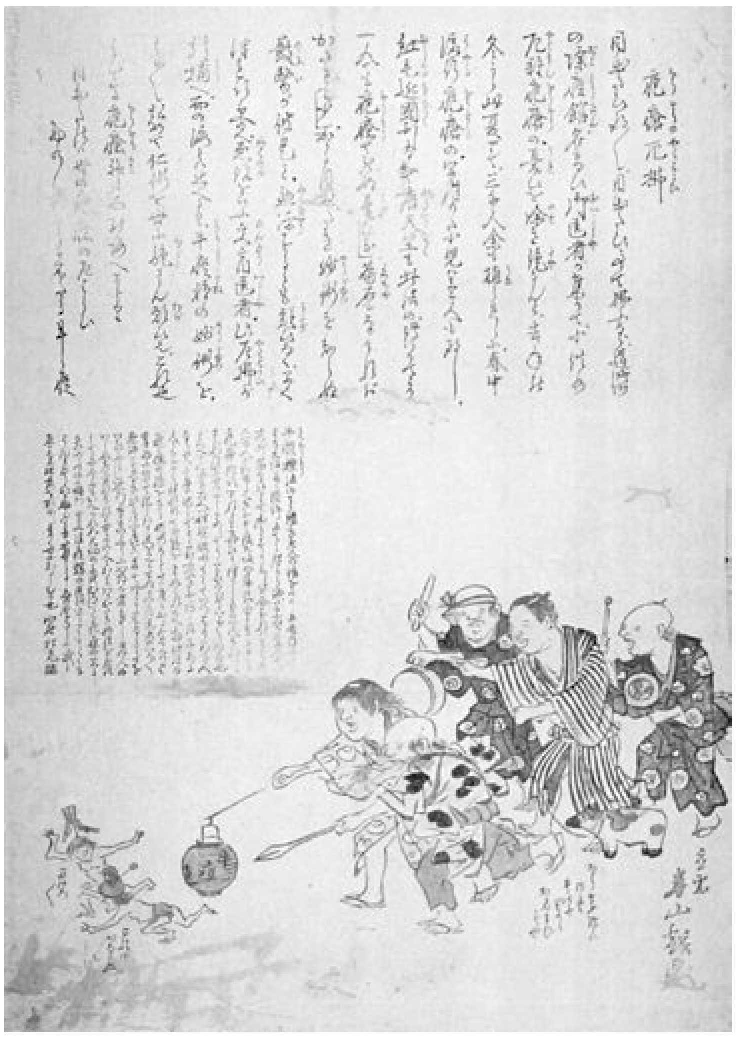
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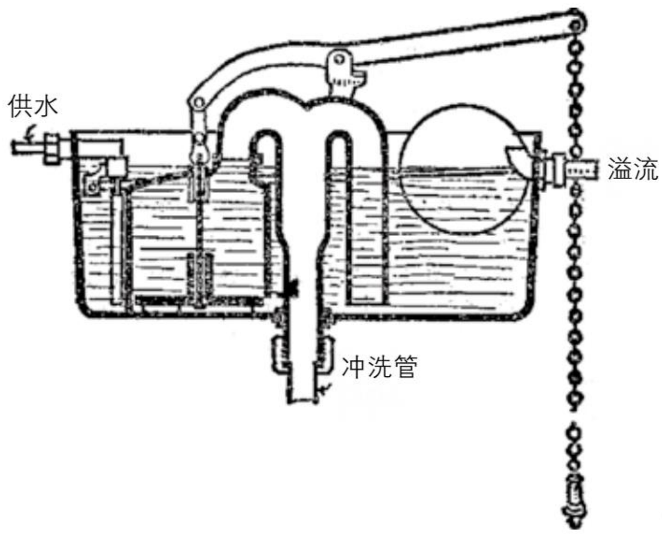
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新生代	第四纪	全新世 更新世	1 万年 12 万年
	第三纪	上新世 中新世 渐新世 始新世 古新世	530 万年 2370 万年 3660 万年 5780 万年 6640 万年
中生代	白垩纪	晚期 早期	14 400 万年
	侏罗纪	晚期 中期 早期	20 800 万年
	三叠纪	晚期 早期	24 500 万年
古生代	二叠纪	晚期 早期	28 600 万年
	宾夕法尼亚纪	晚期 早期	32 000 万年
	密西西比纪	晚期 早期	36 000 万年
	泥盆纪	晚期 中期 早期	40 800 万年

代	纪	世	距今
古生代	志留纪	晚期 中期 早期	43 800 万年
	奥陶纪	晚期 中期 早期	50 500 万年
	寒武纪	晚期 中期 早期	57 000 万年
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太古代			46 亿年

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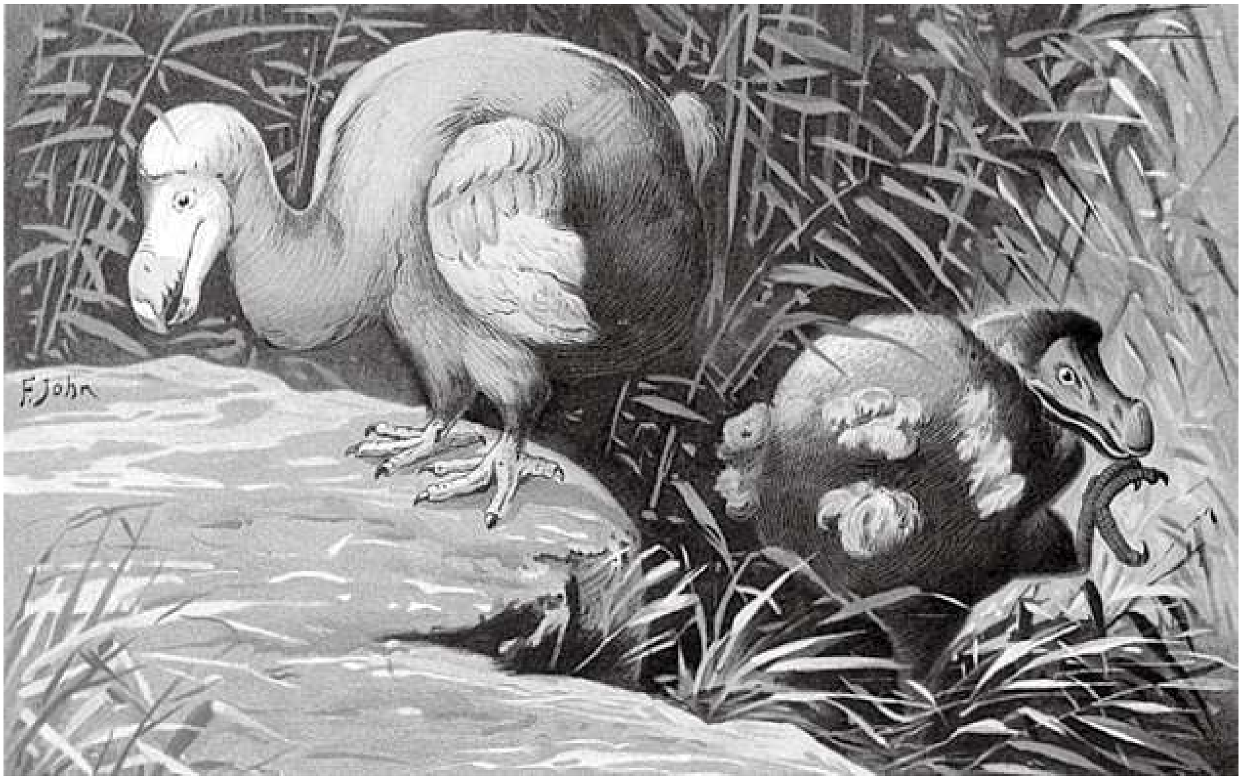
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三叠纪末期	21 000 万年至 20 600 万年前
二叠纪末期至三叠纪早期	25 200 万年至 24 500 万年前
泥盆纪末期	36 400 万年至 35 400 万前
奥陶纪末期	44 900 万年至 44 300 万年前



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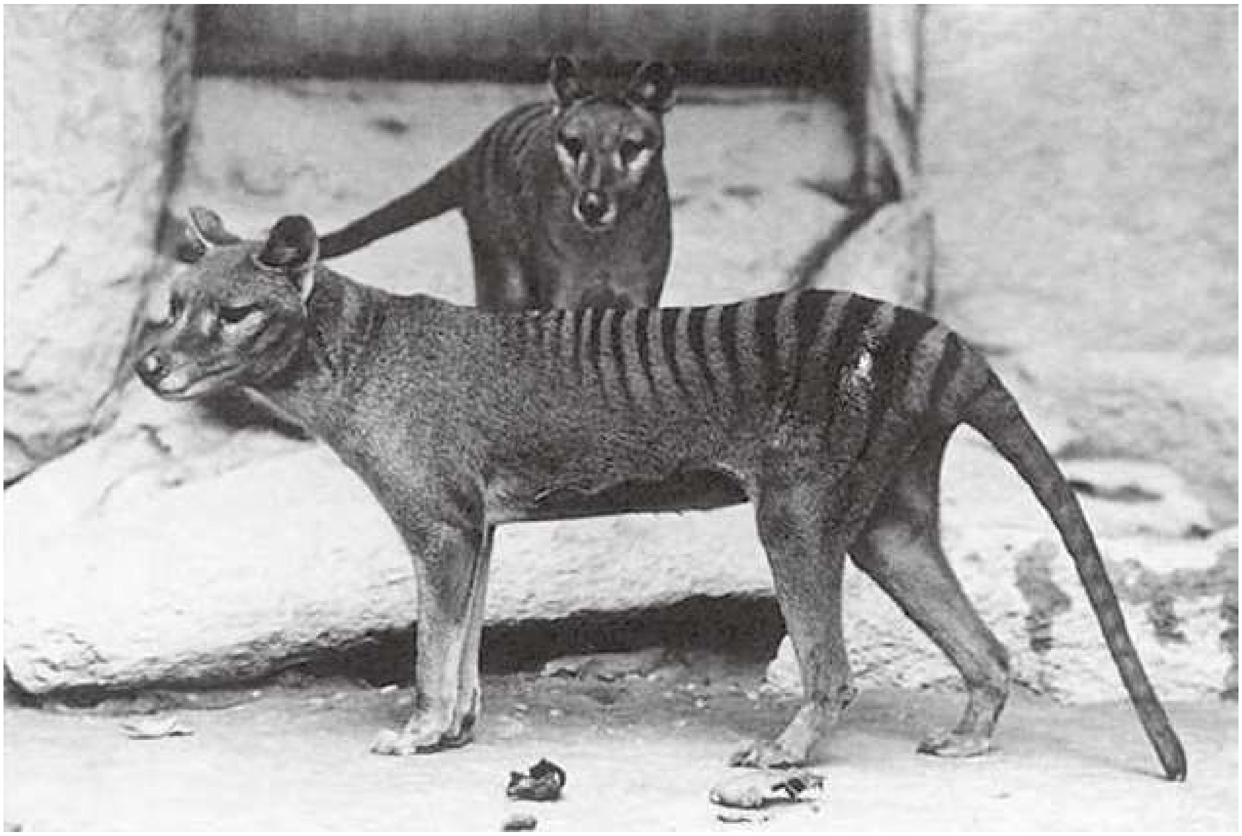
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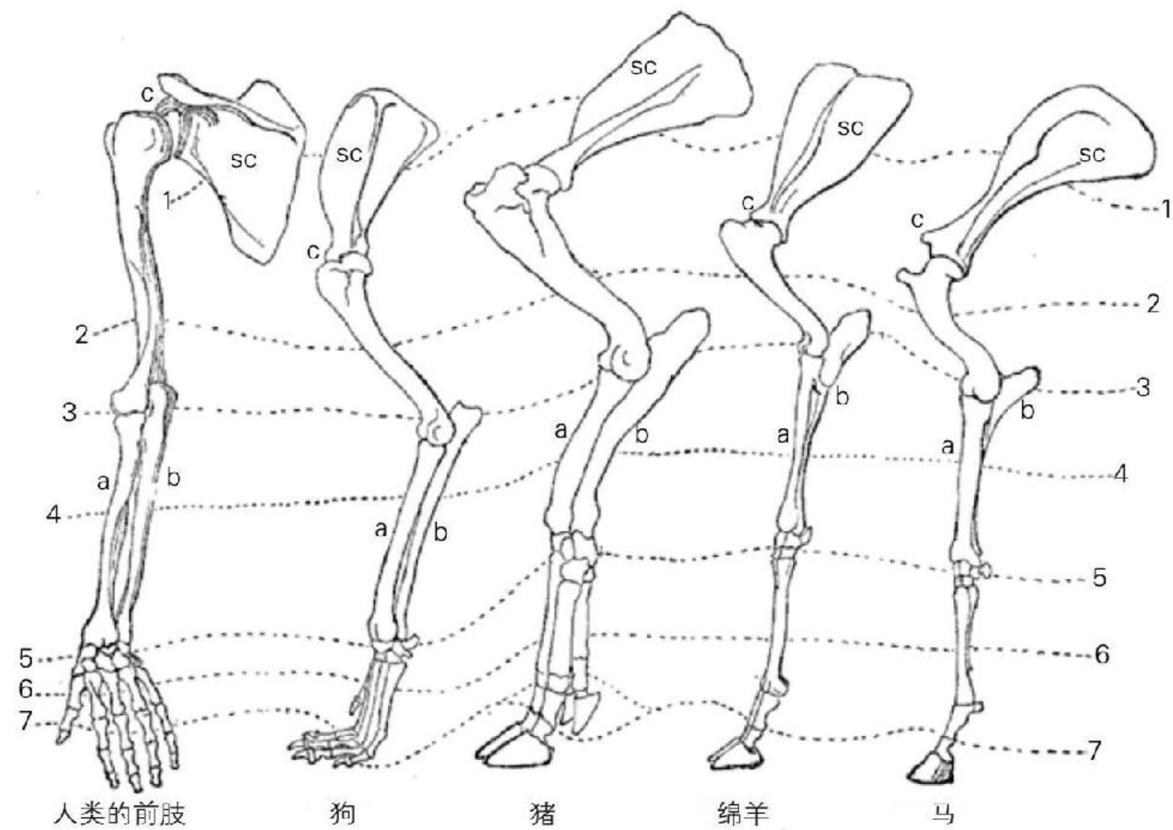
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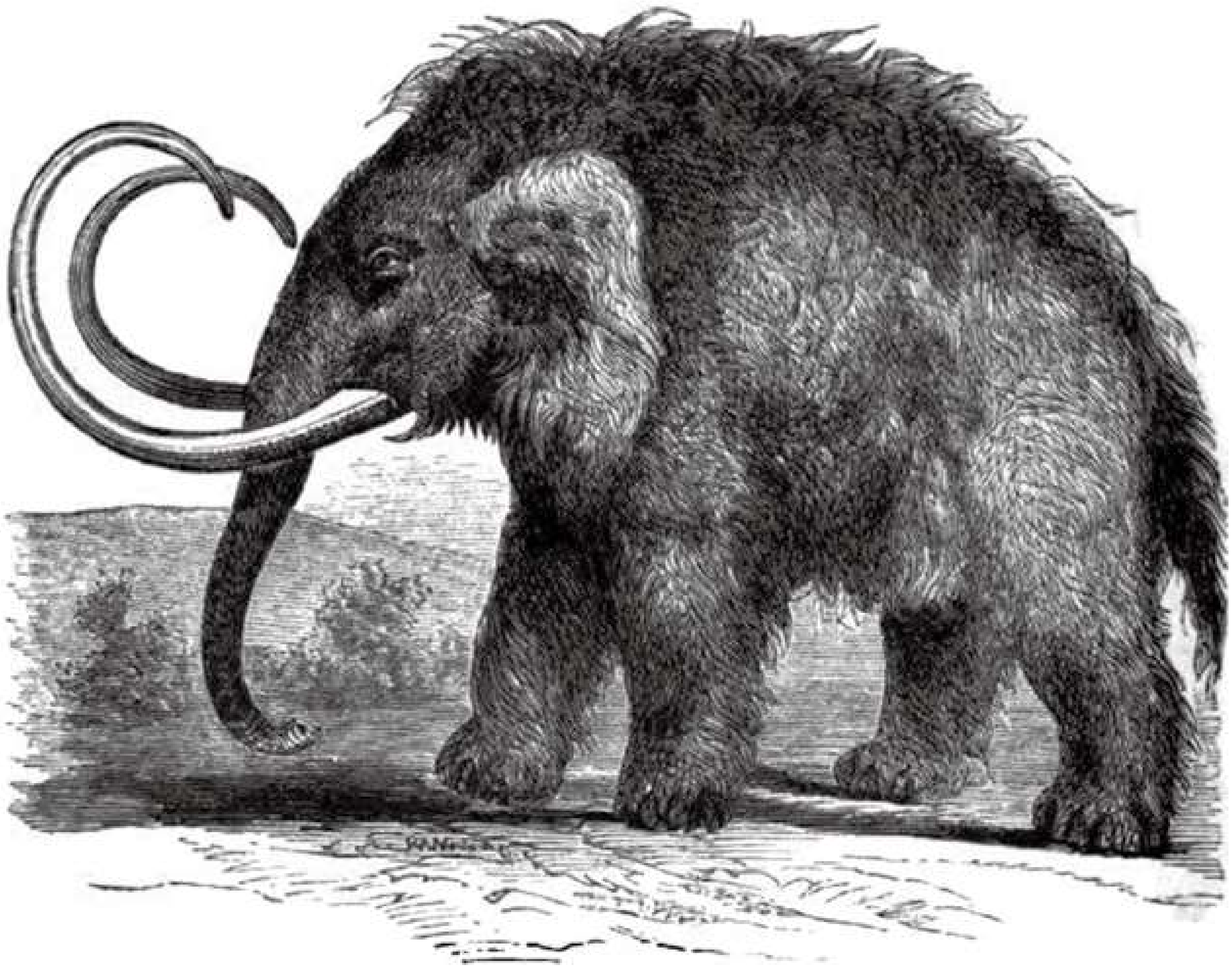
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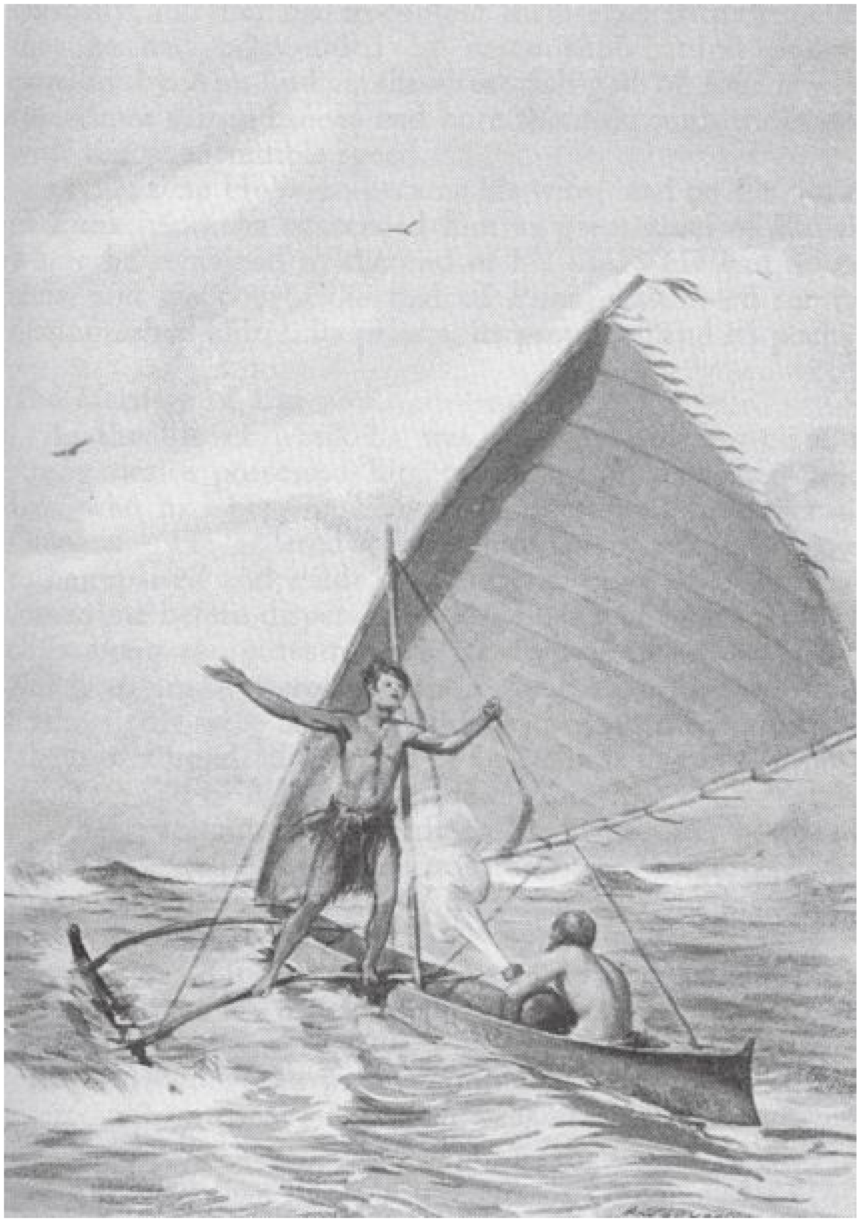
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人口迁入			
	1850 年人口	1950 年人口	年均增长
美洲	59	325	1.72%
亚洲北部	22	104	1.57%
东南亚	42	177	1.45%
人口迁出			
	1850 年人口	1950 年人口	年均增长
欧洲	265	515	0.67%
南亚	230	445	0.66%
中国	420	520	0.21%
全世界	1200	2500	0.74%

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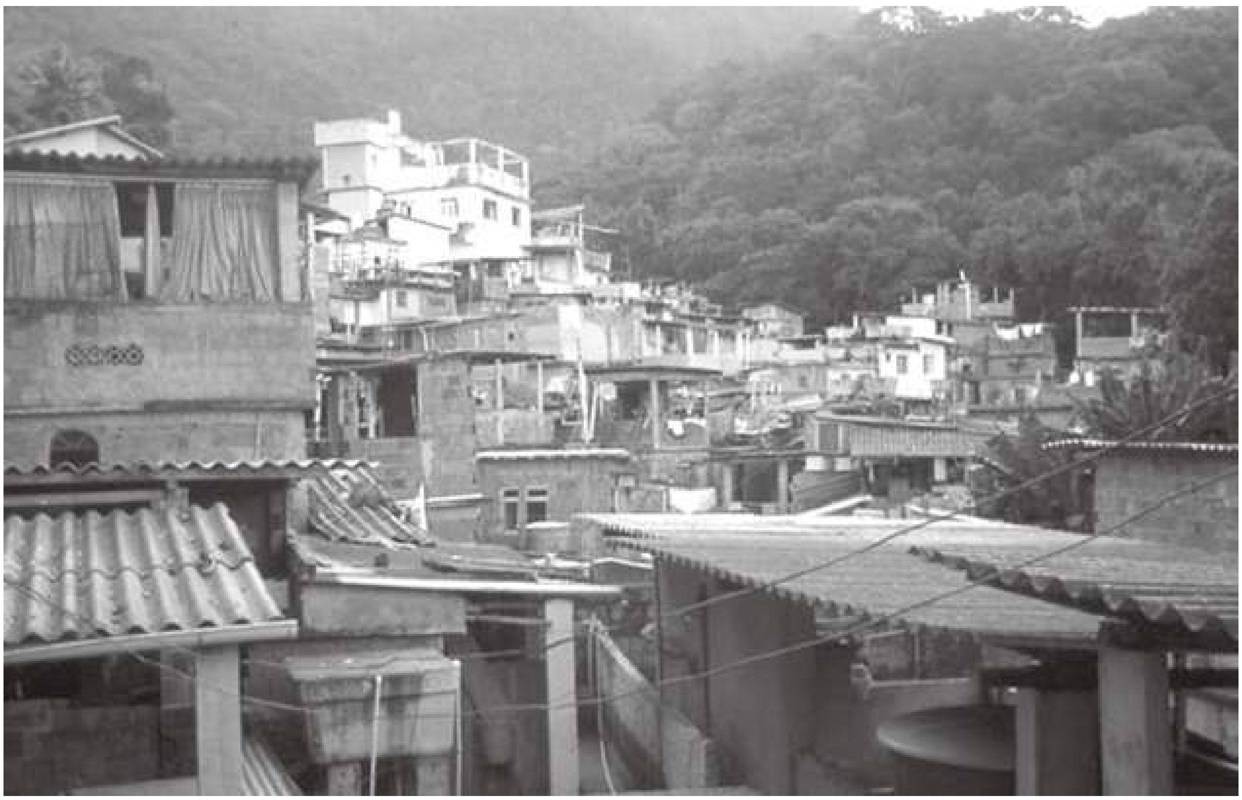
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年份	外国出生的人口	占世界人口比例
1910	35.7	2.0
1930	42.9	2.1
1965	75.2	2.3
1975	84.5	2.1
1985	105.2	2.2
1990	155.5	2.9
2000	195.2	3.2
2005	213.9	3.1

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[illegible]·M. [illegible]Adam M. McKeown[illegible]

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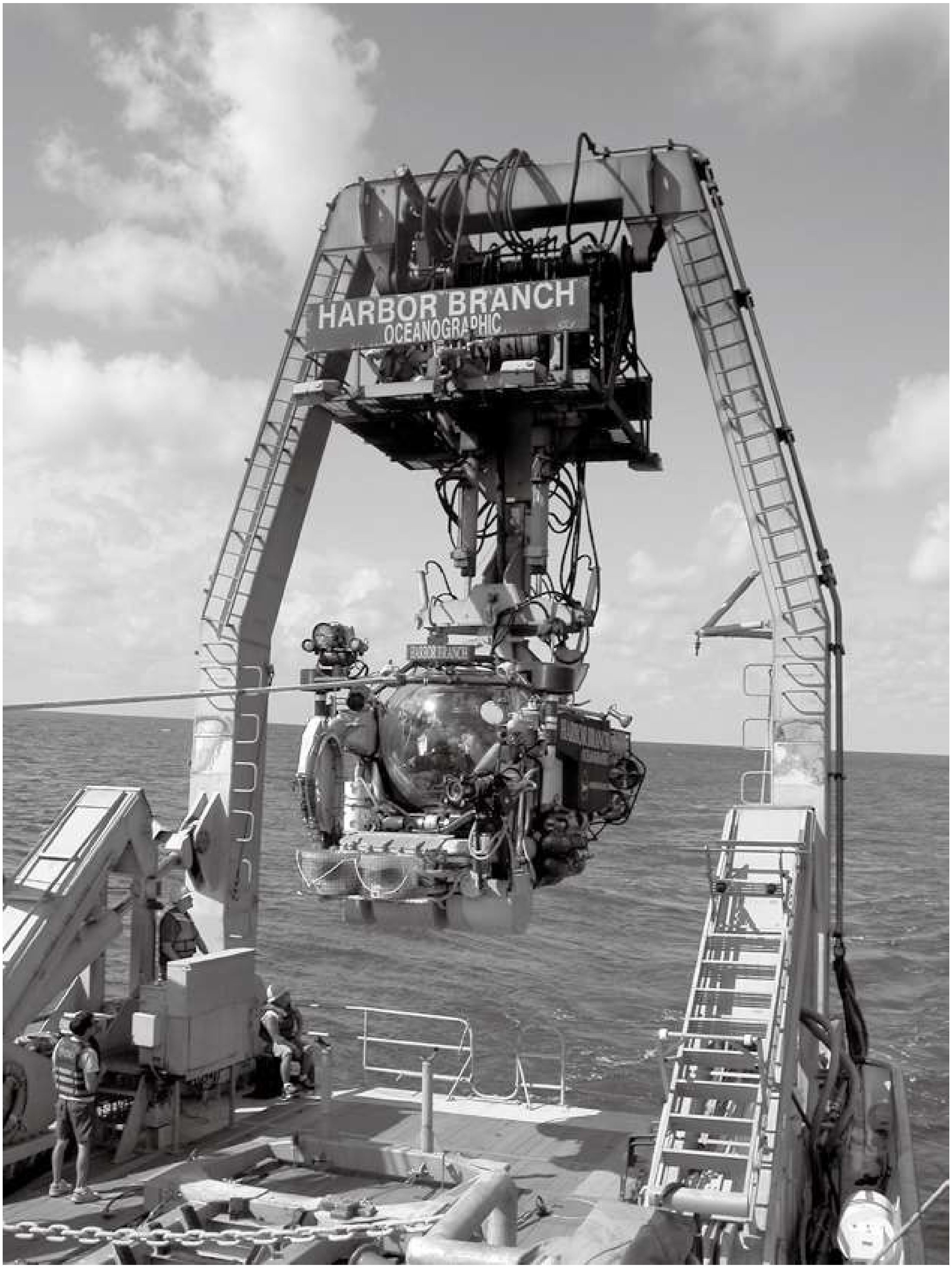
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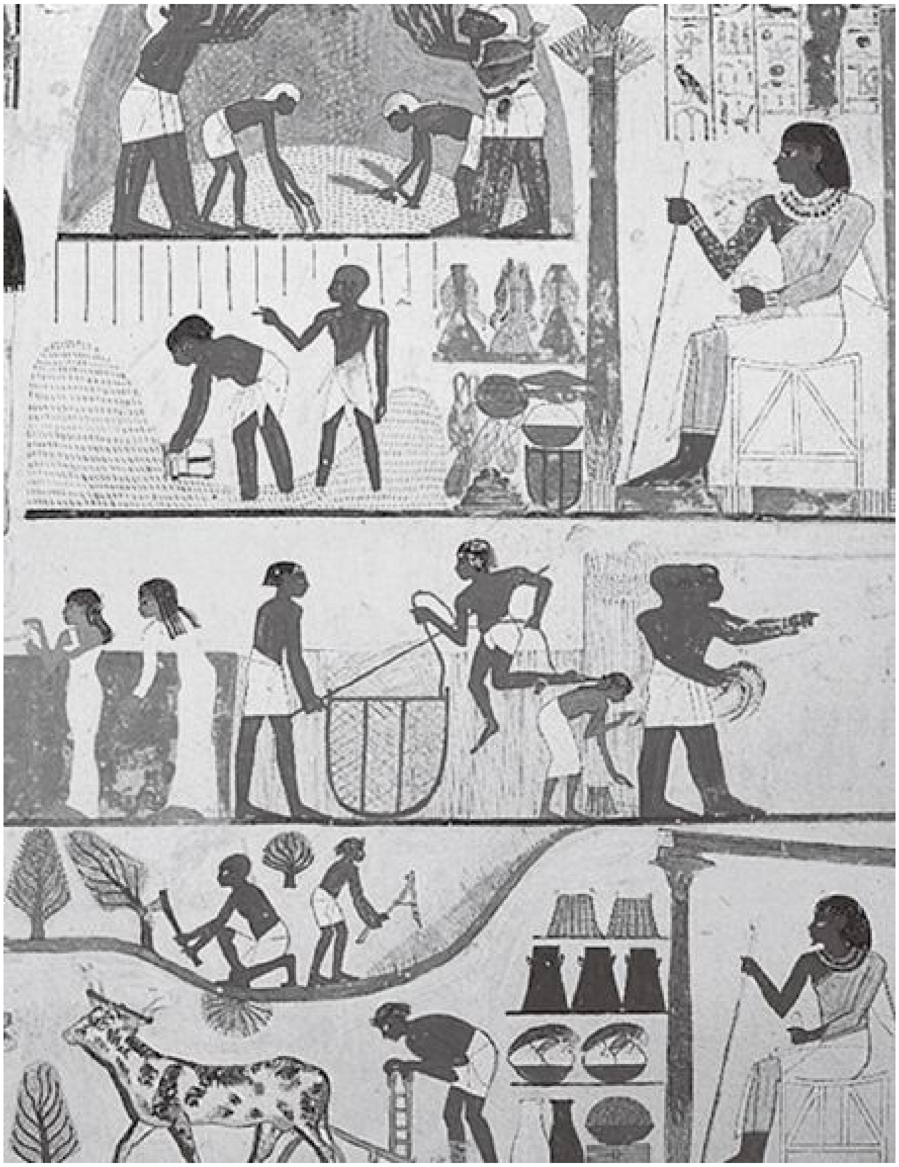
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时期	人口（百万）
公元前 30 万年	1
公元前 1 万年	4
公元前 1000 年	50
公元 1 年	200
公元 500 年	200
1000 年	270
1200 年	380
1400 年	370
1600 年	550
1800 年	920
1900 年	1625
2000 年	6000

[illegible]1995[illegible]2[illegible]

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[illegible]3/4[illegible]1750[illegible]1950[illegible]2[illegible]

[illegible]2 1750—2000[illegible]

	1750	1800	1850	1900	1950	2000
亚洲	480	602	749	937	1386	3766
欧洲	140	187	266	401	576	728
非洲	95	90	95	120	206	840
北美洲	1	6	26	81	167	319
中南美洲	11	19	33	63	162	531
澳大利亚和大洋洲	2	2	2	6	13	32

[illegible]2000[illegible]271[illegible]

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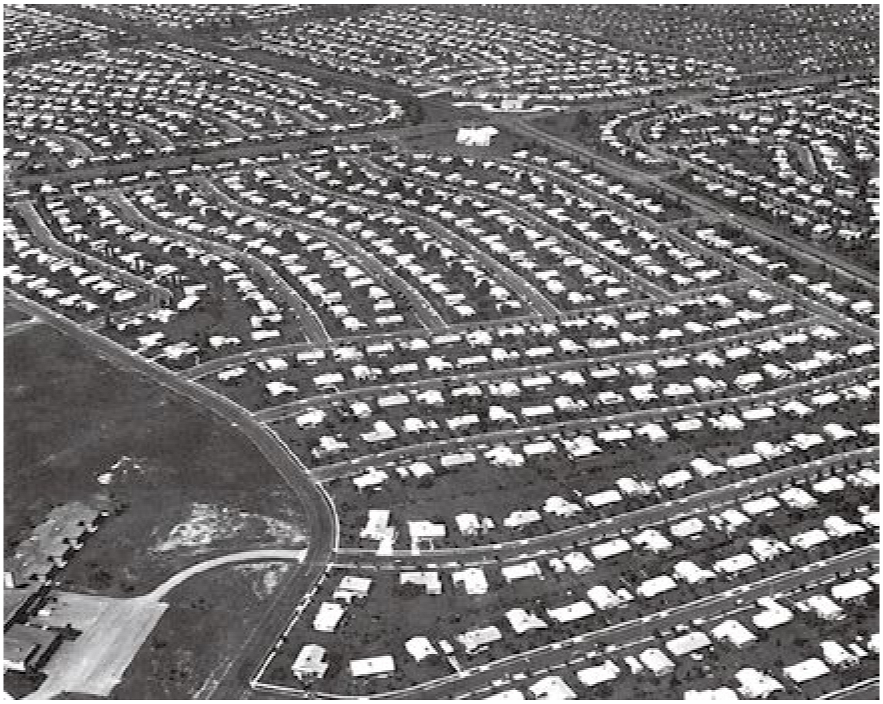
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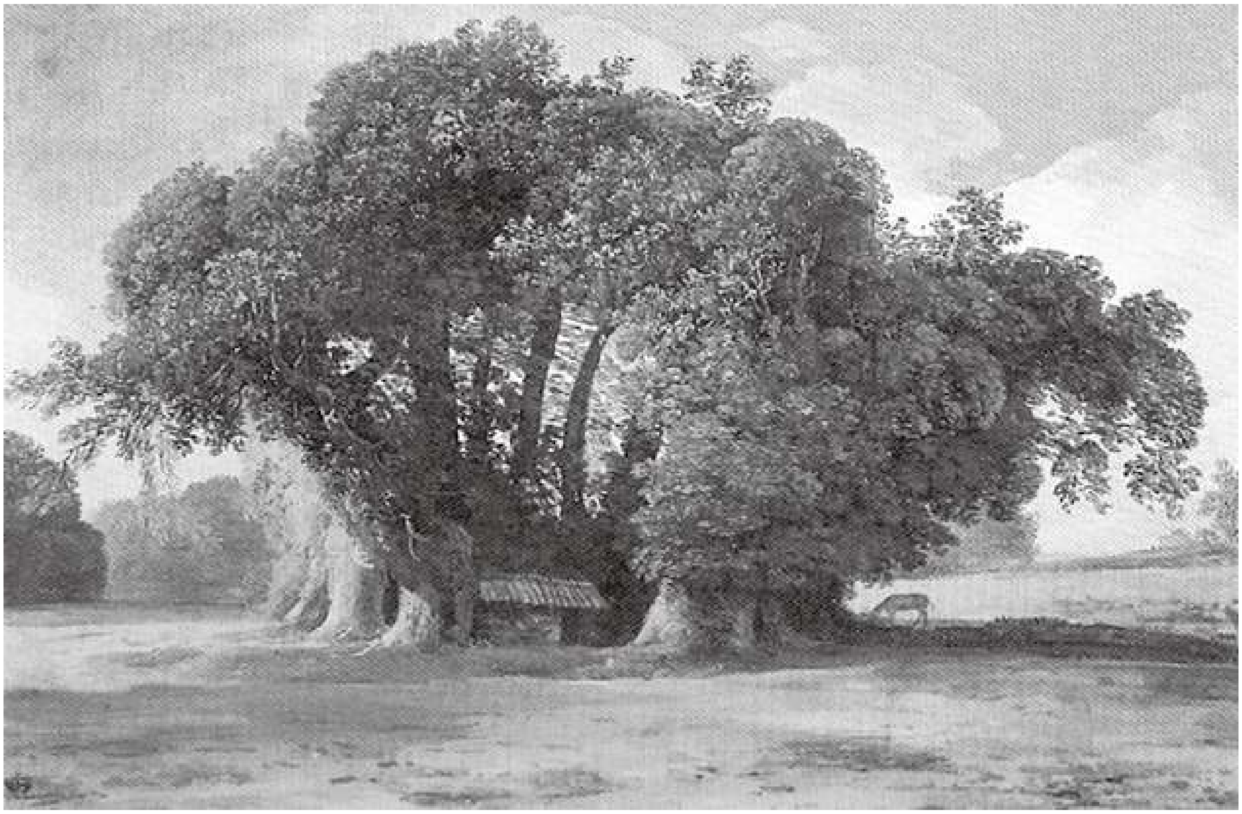
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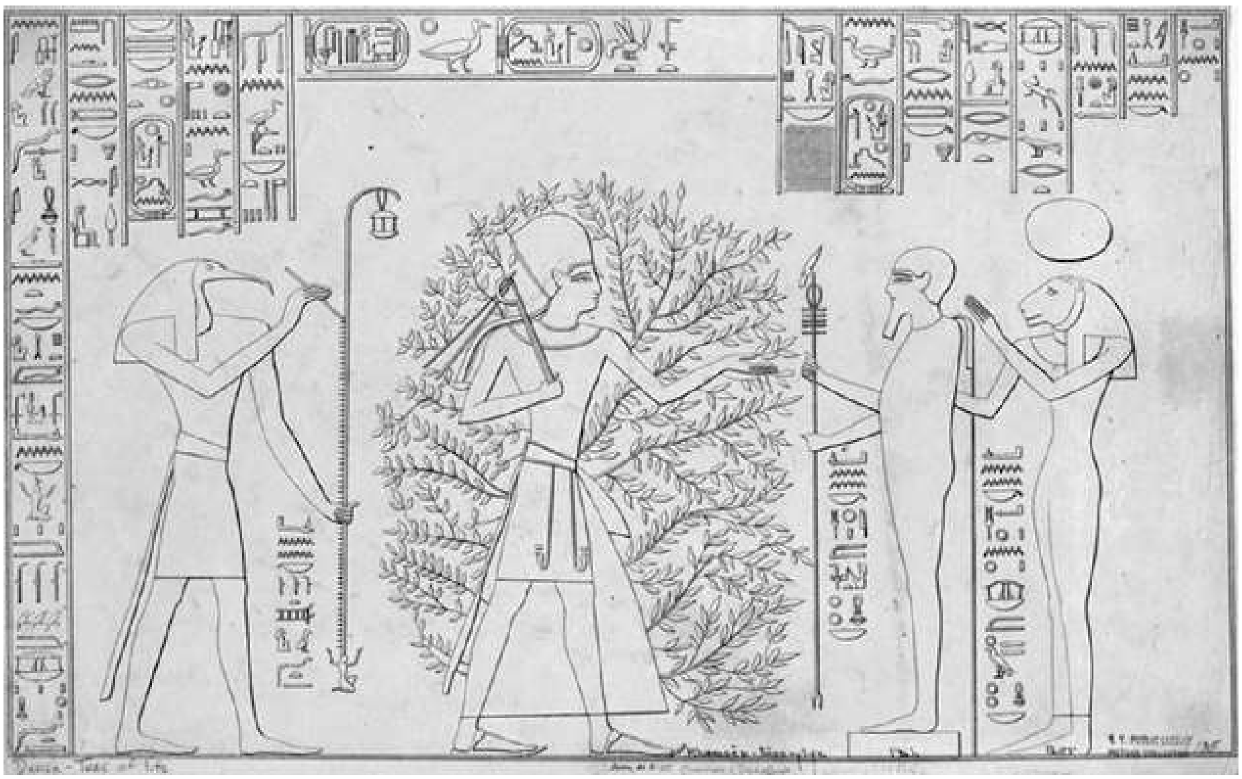
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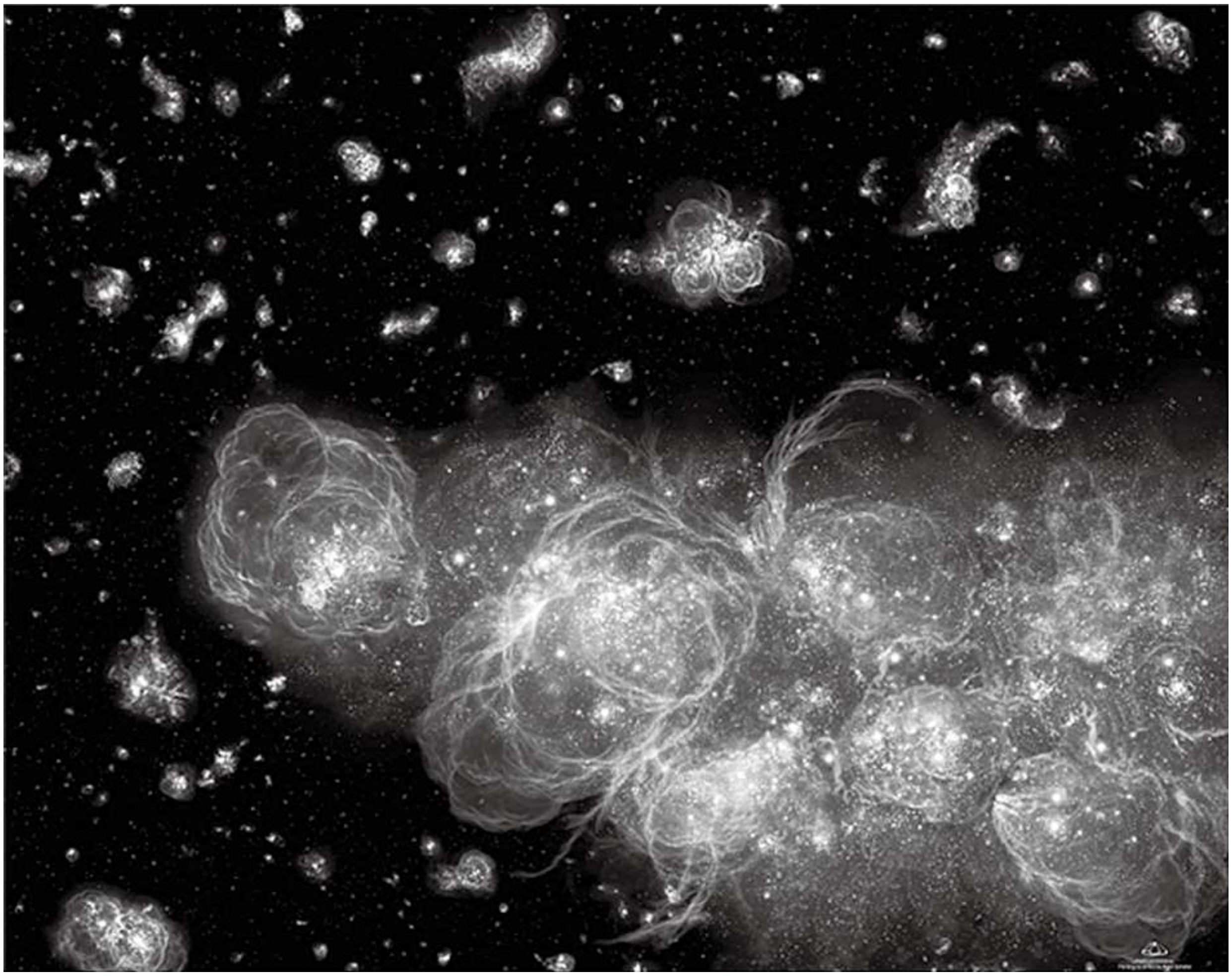
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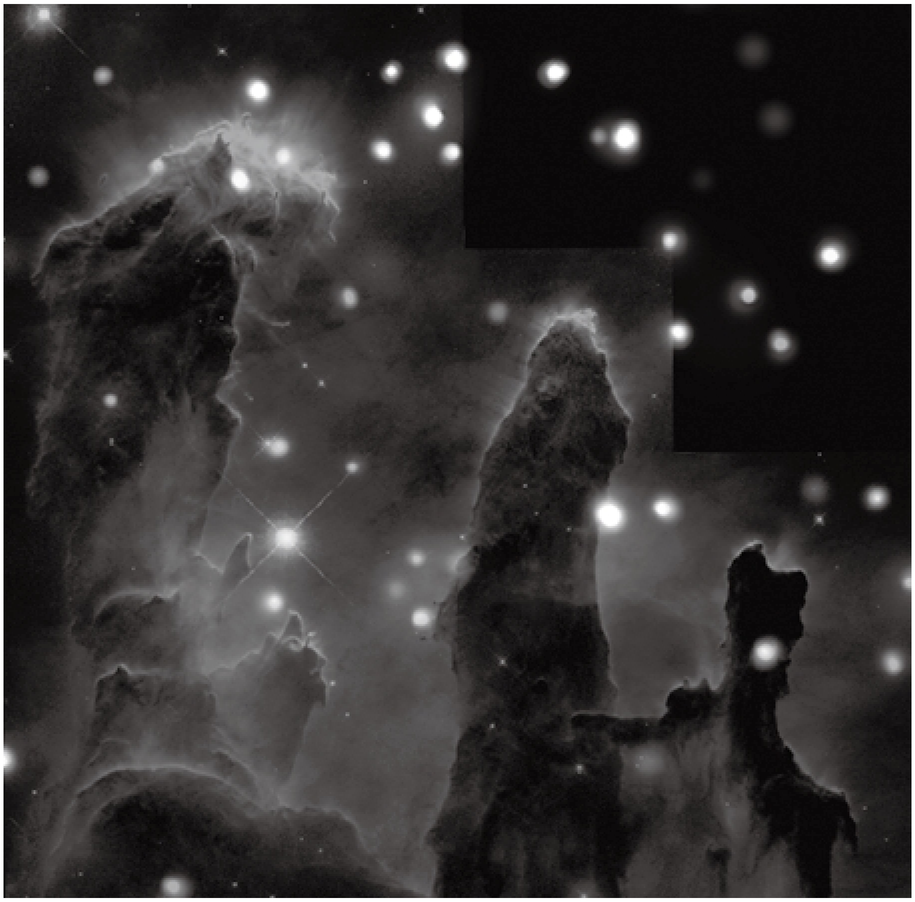
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Big History
by David Christian, D. Bruce Dickson, James Lovelock, Adam M. McKeown, John Mears, J. R. McNeill, William H. McNeill,
Anthony N. Penna, Oliver Rackham, et al.

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